Figure 1

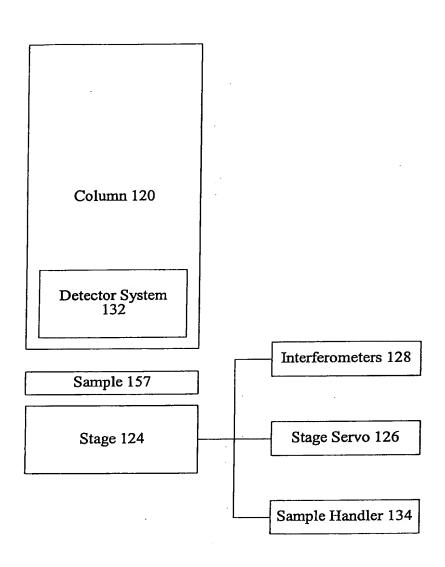


Figure 2

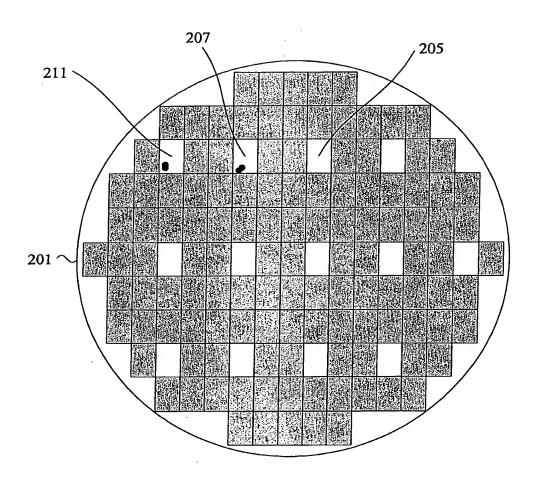


Figure 3

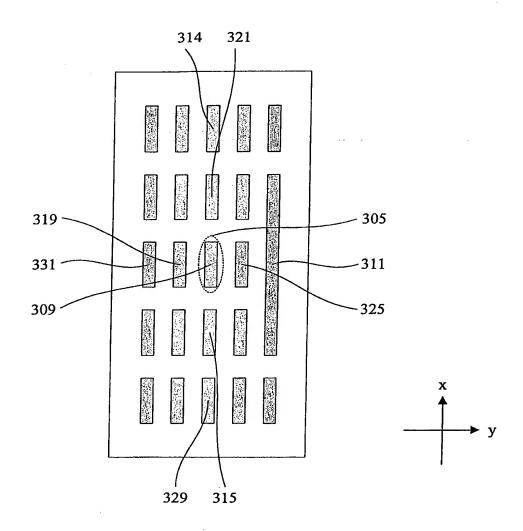
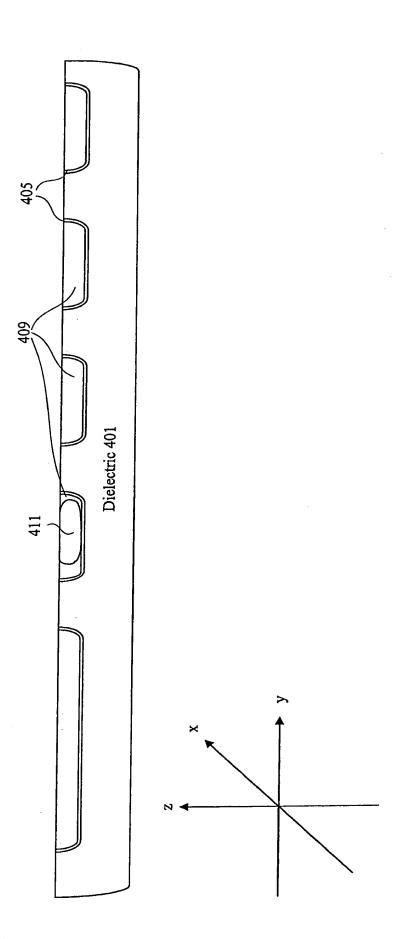
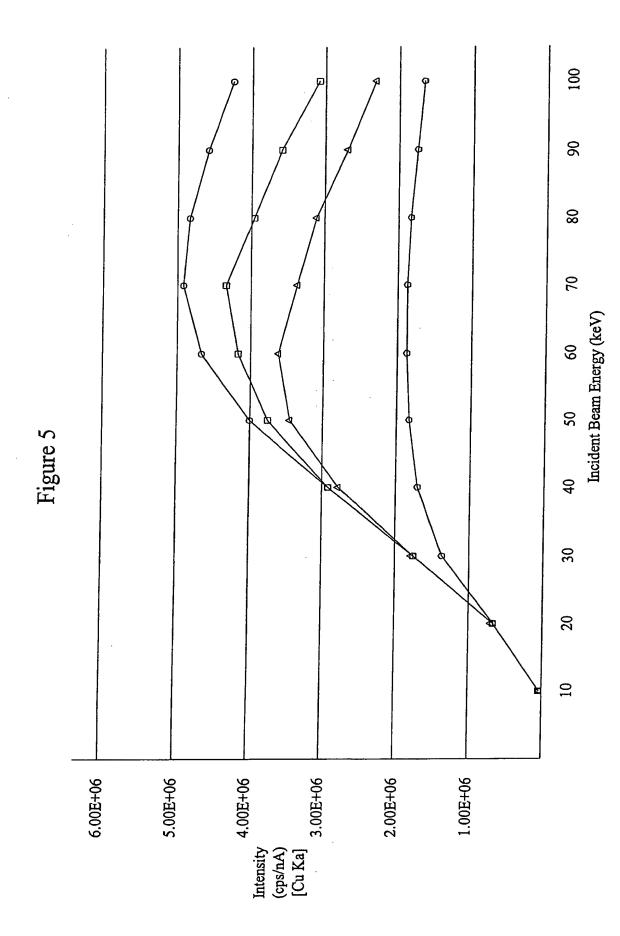


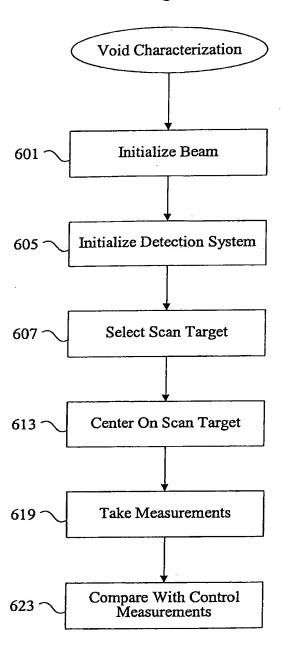
Figure 4





o 3000nm Cu a 2500nm Cu a 2000nm Cu o 1000nm Cu

Figure 6



Die 2, Void 1, x-ray measurement

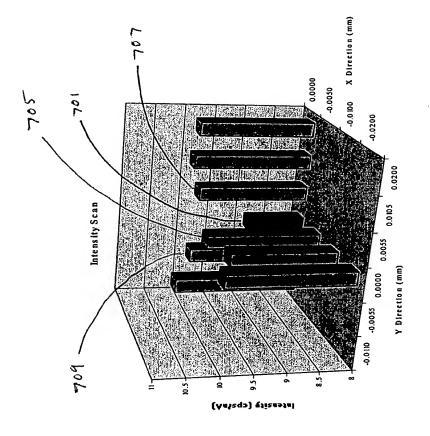


Figure 7A

Die2 No void, x-ray measurement

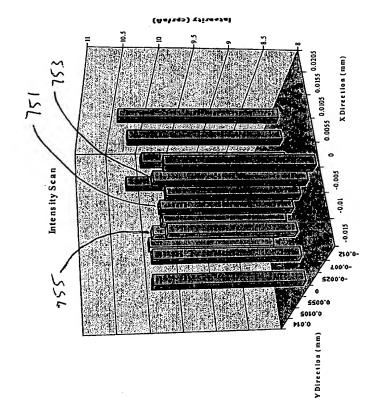


Figure 78

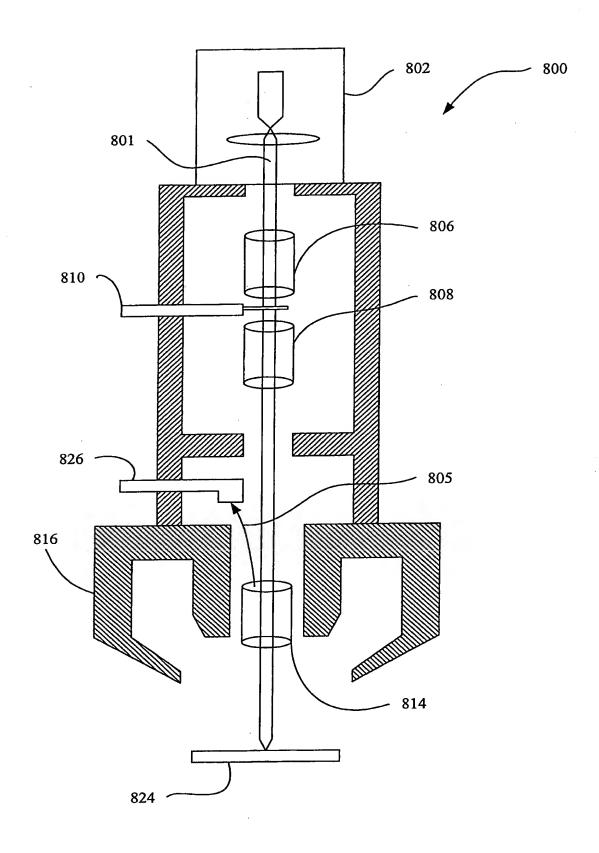


Figure 8

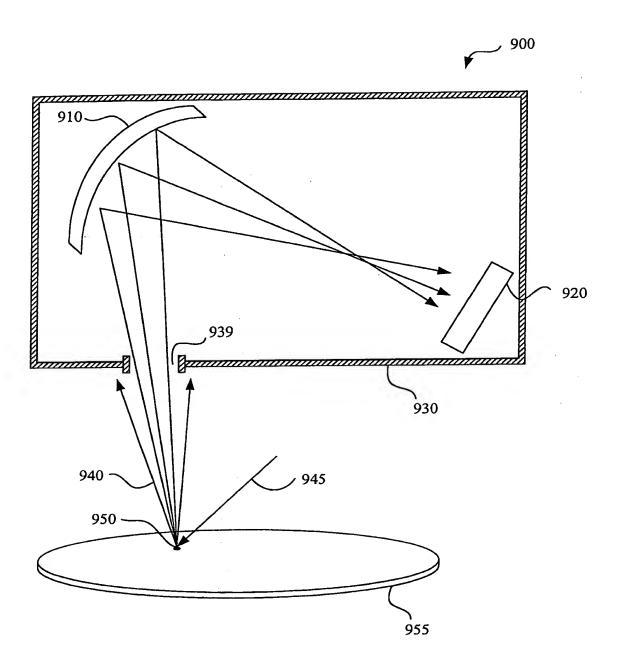


Figure 9

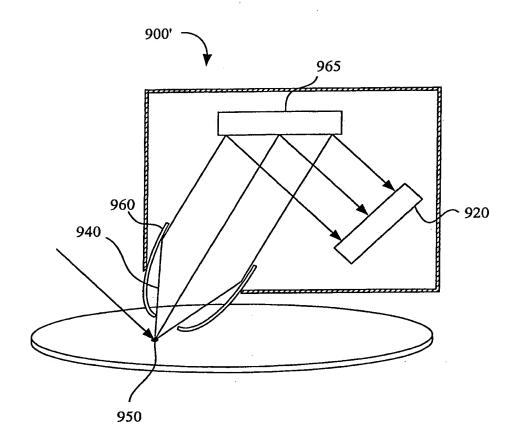


Figure 10